# Rec'd PCT/PTO 20 AUG 2003

Sheet  $\perp \perp$  of  $\perp 2$ 

D-1449 (Rev. 2-325) VIFORMATION DISCLOSURE TATEMENT BY APPLICANT

U.S. DEPARTMENT OF **COMMERCE PATENT AND** TRADEMARK OFFICE

(Use several sheets if necessary)

ATTY. DOCKET NO. A0000179/2-66-MG

SERIAL NO. 10/088,257

APPLICANT

FRANCOIS BERTELLI, ET AL.

**FILING DATE** March 15, 2002

AUG 2 6 2002 **GROUP** 

TECH CENTER 1600/2900

#### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	 DC	OCU	JMI	ENT	NI.	JMI	BER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5	8	4	6	7	5	7	12/8/98	Harpold et al.	435	29	
	5	4	2	9	9	2	1	7/4/95	Harpold et al.	435	4	

#### FOREIGN PATENT DOCUMENTS

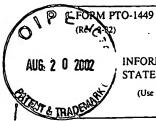
	DOCUMENT NUMBER						BER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
:										·		YES	NO
	 9	3	0	4	0	8	3	04.03.93	WO			_	х
	0	0	2	0	4	5	0	13.04.00	wo				х
	9	9	2	8	3	4	2	10.06.99	wo				х
	9	6	0	3	1	2	2	08.02.96	WO				х

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc)

		PCT International Search Report, PCT/EP00/09136
		Hofmann et al., "Voltage-Dependent Calcium Channels: From Structure to Function", Reviews of Physiology Biochemistry and Pharmacology, Vol. 139, 1999, pages 33-87
		Witcher et al., "Characterization of the purified N-type Ca-2+ channel and the cation sensitivity of omega-conotoxin GVIA binding", Neuropharmacology, Vol. 32, No. 11, 1993, pages 1127-1139
		Brown and Gee, "Cloning and Deletion Mutagenesis of the α2δ Calcium Channel Subunit from Porcine Cerebral Cortex", The Journal of Biological Chemistry, Vol. 273, No. 39, 1998, pages 25458-25465
	_	Brown et al., "Isolation of the [³H]Gabapentin-Binding Protein/ <sub>α2δ</sub> Ca²+ Channel Subunit from Porcine Brain: Development of a Radioligand Binding Assay for <sub>α2δ</sub> Subunits Using [³H]Leucine", <u>Analytical Biochemistry</u> , Vol. 255, No. 2, 1998, pages 236-243
		Wang et al., "Structural requirement of the calcium-channel subunit <sub>α2δ</sub> for gabapentin binding", <u>Biochemical Journal</u> , Vol. 342, No. 2, pages 313-320
		Gee et al., "The Novel Anticonvulsant Drug, Gabapentin (Neurontin), Binds to the α2δ Subunit of a Calcium Channel", The Journal of Biological Chemistry, Vol. 271, No. 6, 1996, pages 5768-5776
		Kowalski et al., "Effects of anti-calcium channel <sub>α2</sub> -subunit antibodies on calcium flux and 1,4-dihydropyridine binding", <u>Biochemical Society Transactions</u> , 1990, page 890
	·*.	Gurnett et al., "Extracellular Interaction of the Voltage-dependent Ca <sup>2+</sup> Channel <sub>α2δ</sub> and <sub>α1</sub> Subunits", <u>The Journal of Biological Chemistry</u> , Vol. 272, No. 29, 1997, pages 18508-18512
		Gurnett et al., "Dual Function of the Voltage-Dependent Ca <sup>2+</sup> Channel <sub>α2δ</sub> Subunit in Current Stimulation and Subunit Interaction", Neuron, Vol. 16, 1996, pages 431-440
EXAMINER		DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ANY COPIES OF DOCUMENTS LISTED ON THIS FORM PTO-1449 SHOULD HAVE CERTAIN INFORMATION PLACED ALONG THE LEFT SIDE OF THE DOCUMENT. INFORMATION SUCH AS DOCKET NUMBER, FILING DATE, SERIAL NUMBER, ART UNIT, ETC.



U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY. DOCKET NO. A0000179/2-66-MG SERIAL NO. 10/088,257

RECEIVED

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT FRANCOIS BERTELLI, ET AL. AUG 2 6 2002

FILING DATE March 15, 2002 GROUP

TECH CENTER 1600/2900

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc)

	Felix et al., "Dissection of Functional Domains of the Voltage-Dependent Ca <sup>2+</sup> Channel <sub>α2δ</sub> Subunit", <u>The Journal of Neuroscience</u> , Vol. 17, No. 18, 1997, pages 6884-6891								
	Field et al., "Gabapentin (neurontin) and S-(+)-3-isobutylgaba represent a novel class of selective antihyperalgesic agents", British Journal of Pharmacology, Vol. 121, 1997, pages 1513-1522								
	Klugbauer et al., "Molecular Diversity of the Calcium Channel <sub>Q28</sub> Subunit", <u>The Journal of Neuroscience</u> , Vol. 19, No. 2, 1999, pages 684-691								
	Tokumaru et al., "Purification of the cardiac 1,4-dihydropyridine receptor using immunoaffinity chromatography with a monoclonal antibody against the <sub>α2δ</sub> subunit of the skeletal muscle dihydropyridine receptor", <u>European Journal of Pharmacology - Molecular Pharmacology Section</u> , Vol. 227, 1992, pages 363-370								
	Hill et al., "Localization of [3H]gabapentin to a novel site in rat brain: autoradiographic studies", <u>European</u> <u>Journal of Pharmacology - Molecular Pharmacology Section</u> , Vol. 244, 1993, pages 303-309								
	Dissanayake et al., "Spermine modulation of specific [3H]-gabapentin binding to the detergent-solubilized porcine cerebral cortex <sub>α2δ</sub> calcium channel subunit", <u>British Journal of Pharmacology</u> , Vol. 120, 1997, pages 833-840								
	Brickley et al., "Use of site-directed antibodies to probe the topography of the α2 subunit of voltage-gated Ca <sup>2+</sup> channels", FEBS Letters, Vol. 364, 1995, pages 129-133								
	Taylor et al., "Potent and stereospecific anticonvulsant activity of 3-isobutyl GABA relates to in vitro binding a a novel site labeled by tritiated gabapentin", Epilepsy Research, Vol. 14, 1993, pages 11-15								
	Thurlow et al., "[3H]Gabapentin may label a system-L-like neutral amino acid carrier in brain", European Journal of Pharmacology - Molecular Pharmacology Section, Vol. 247, 1993, pages 341-345								
	Suman-Chauhan et al., "Characterization of [3H]gabapentin to a novel site in rat brain: homogenate binding studies", European Journal of Pharmacology - Molecular Pharmacology Section, Vol. 244, 1993, pages 293-30								
	Ellis et al., "Sequence and Expression of mRNAs Encoding the α1 and α2 Subunits of a DHP-Sensitive Calcium Channel", Science, Vol. 241, 1988, pages 1661-1664								
	De Jongh et al., "Subunits of Purified Calcium Channels", <u>The Journal of Biological Chemistry</u> , Vol. 265, No. 25, 1990, pages 14738-14741								
	Jay et al., "Structural Characterization of the Dihydropyridine-sensitive Calcium Channel <sub>α2</sub> -Subunit and the Associated δ Peptides", <u>The Journal of Biological Chemistry</u> , Vol. 266, No. 5, 1991, pages 3287-3293								
	Wiser et al., "The $\alpha^2/\delta$ subunit of voltage sensitive Ca <sup>2+</sup> channels is a single transmembrane extracellular protein which is involved in regulated secretion", <u>FEBS Letters</u> , Vol. 379, 1996, pages 15-20								
	Brown et al., "Mechanisms of Action of Gabapentin", Rev. Contemp. Pharmacother., Vol. 7, 1996, pages 203 214								
	Holland et al., "A Nonseparation Microplate Receptor Binding Assay", Analytical Biochemistry, Vol. 222, 1994, pages 516-518								
EXAMINER	DATE CONSIDERED								

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ANY COPIES OF DOCUMENTS LISTED ON THIS FORM PTO-1449 SHOULD HAVE CERTAIN INFORMATION PLACED ALONG THE LEFT SIDE OF THE DOCUMENT. INFORMATION SUCH AS DOCKET NUMBER, FILING DATE, SERIAL NUMBER, ART UNIT, ETC.